

REMARKS

The Office Action dated July 3, 2007 has been received and carefully noted. The above amendments to the claims, and the following remarks, are submitted as a full and complete response thereto.

Claims 1 and 15-28 have been amended to more particularly point out and distinctly claim the subject matter which is the invention. Claim 29 has been added. No new matter has been added. Claims 1-29 are submitted for consideration.

Claims 1-28 were rejected under 35 U.S.C. 102(b) as being anticipated by a document titled "On Setting Reverse Link Target SIR in a CMDA system" to Sampath (hereinafter Sampath). The rejection is traversed as being based on a reference that does not teach or suggest each of the elements of claims 1-28, and newly added claim 29.

Claim 1, upon which claims 2-14 depend, recites a method including determining a quality of a received coding block and storing samples of differences between a measured SIR value and a target SIR value. The method also includes adjusting the target SIR value based on values of the samples of the differences between the measured SIR value and the target SIR value, and the quality of the received coding block. The method further includes providing a transmit power control command based on the adjusted target SIR value to the user equipment.

Claim 15, upon which claims 16-28 depend, recites an apparatus including a determiner configured to determine a quality of a received coding block and a storage

configured to store samples of differences between a measured SIR value and a target SIR value. The apparatus also includes an adjuster configured to adjust the target SIR value based on values of the samples of the differences between the measured SIR value and the target SIR value and the quality of the received coding block. The apparatus further includes a provider configured to provide a transmit power control command based on the adjusted target SIR value.

As noted below, Sampath does not teach or suggest each of the elements of the pending claims.

Sampath disclose that DS/CDMA systems with conventional detectors require tight power control for satisfactory performance. In IS-95 systems, closed loop power control on the reverse link includes an inner loop and an outer loop. The inner loop aids the mobile station in reaching its current signal to interference ratio (SIR) target through a sequence of power up-down commands. The outer loop dynamically adjusts the target SIR so that adequate performance in terms of frame error rate (FER) is achieved. In the closed loop power control, the base station commands the mobile station to adjust its transmit power based on the reverse link receive SIR. For the inner loop, the base station sends increase/decrease transmit power commands to the mobile station to assist the mobile station in reaching the target SIR. See Col. 1 and 2 of Sampath.

Applicants submit that Sampath does not teach or suggest each of the elements of the pending claims. Each of independent claims 1, 15 and 29, in part, recites determining a received coding block, storing samples of differences between a measured SIR value

and a target SIR value and adjusting the target SIR value based on values of the samples of the differences between the measured SIR value and the target SIR value, and the quality of the received coding block. Sampath does not teach or suggest these features.

Instead, Sampath discloses that the target SIR is adjust based on the FER. The second paragraph of Col. 2 of Sampath discloses that using a fixed SIR target is inefficient and would result in diminished system capacity. Therefore, Sampath does not store samples of differences between a measured SIR value and a target SIR value, as recited in the pending claims. Sampath also does not adjust the target SIR value based on values of the samples of the differences between the measured SIR value and the target SIR value, and the quality of the received coding block, as recited in the pending claims.

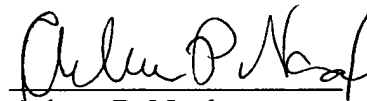
Based on the distinctions noted above, Applicants request asserts that the rejection under 35 U.S.C. §102(b) should be withdrawn because Sampath does not teach or suggest each feature of claims 1, 15 and 29. Applicant submits that because claims 2-14 and 16-28 depend from claims 1, 15 and 29, claims 2-14 and 16-28 are allowable at least for the same reasons as claims 1, 15 and 29 as well as for the additional features recited in claims 2-14 and 16-28.

As noted previously, claims 1-29 recite subject matter which is neither disclosed nor suggested in the prior art references cited in the Office Action. It is therefore respectfully requested that all of claims 1-29 be allowed, and this application passed to issue.

If for any reason the Examiner determines that the application is not now in condition for allowance, it is respectfully requested that the Examiner contact, by telephone, the applicants' undersigned attorney at the indicated telephone number to arrange for an interview to expedite the disposition of this application.

In the event this paper is not being timely filed, the applicants respectfully petition for an appropriate extension of time. Any fees for such an extension together with any additional fees may be charged to Counsel's Deposit Account 50-2222.

Respectfully submitted,


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Enclosures: Petition for Extension of Time
Additional Claim Fee Transmittal
Check No. 17655